

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A cell search control method in a CDMA mobile communication system including a mobile station which decides a base station the mobile station waits for or communicates with by receiving a plurality of perch channels ~~[[channel]]~~ transmitted from ~~[[the]]~~ a plurality of base stations ~~station~~, and which monitors a paging signal to the mobile station by means of intermittent reception in ~~[[the]]~~ an idle mode, said cell search control method comprising the step of:

carrying out, in the mobile station, measurement of receiving quality of the plurality of perch channels ~~channel~~ in synchronization with timing of receiving the paging signal ~~[[sent]]~~ transmitted from one of the plurality of base stations to a mobile station group which includes the mobile station.

Claim 2. (Currently Amended) The cell search control method as claimed in claim 1, wherein the measurement of the receiving quality of the plurality of perch channels ~~[[channel]]~~ is carried out in the mobile station when a time period counted from a latest measurement of the receiving quality of the plurality of perch channels ~~[[channel]]~~ exceeds a predetermined value.

Claim 3. (Currently Amended) A CDMA mobile communication system including a mobile station communicating with a plurality of base stations,

each of said base stations comprising:

perch channel transmitting means for transmitting a perch channel to the mobile station; and

paging signal transmitting means for transmitting a paging signal to the mobile station, and

said mobile station comprising:

base station decision means for deciding a base station said mobile station waits for or communicates with through the perch channel by receiving [[the]] a plurality of perch channels [[channel]] transmitted by said perch channel transmitting means;

paging signal reception decision means for deciding in an idle mode as to whether the paging signal transmitted from one of the plurality of based stations to a mobile station group which includes said mobile station by said paging signal transmitting means is received or not by intermittent reception; and

receiving quality measurement means for measuring the receiving quality of the perch channels [[channel]], wherein

said receiving quality measurement means carries out the measurement of the receiving quality of the plurality of perch channels [[channel]] in synchronization with timing of receiving the paging signal when said paging signal reception decision means decides that the paging signal is received.

Claim 4. (Currently Amended) The CDMA mobile communication system as claimed in claim 3, wherein said mobile station further comprises counting means for counting a time period from a latest measurement of the receiving quality of the plurality of perch channels [[channel]], and wherein said receiving quality measurement means carries out the measurement of the receiving quality of the plurality of perch channels [[channel]] when the time period counted by said counting means exceeds a predetermined value.

Claim 5. (Currently Amended) A mobile station in a CDMA mobile communication system communicating with a plurality of base stations, said mobile station comprising:

base station decision means for deciding a base station said mobile station waits for or communicates with through a perch channel by receiving [[the]] a plurality of perch channels [[channel]] transmitted from [[the]] a plurality of base stations [[station]];

paging signal reception decision means for deciding in an idle mode as to whether the paging signal transmitted to a mobile station group which includes said mobile station from one of the plurality of base stations [[station]] is received or not by intermittent reception; and

receiving quality measurement means for measuring the receiving quality of the plurality of perch channels [[channel]], wherein

said receiving quality measurement means carries out the measurement of the receiving quality of the plurality of perch channels [[channel]] in synchronization with timing of receiving the paging signal when said paging signal reception decision means decides that the paging signal is received.

Claim 6. (Currently Amended) The mobile station as claimed in claim 5, further comprising counting means for counting a time period from a latest measurement of the receiving quality of the plurality of perch channels [[channel]], wherein said receiving quality measurement means carries out the measurement of the receiving quality of the plurality of perch channels [[channel]] when the time period counted by said counting means exceeds a predetermined value.